



(43) International Publication Date
22 September 2005 (22.09.2005)

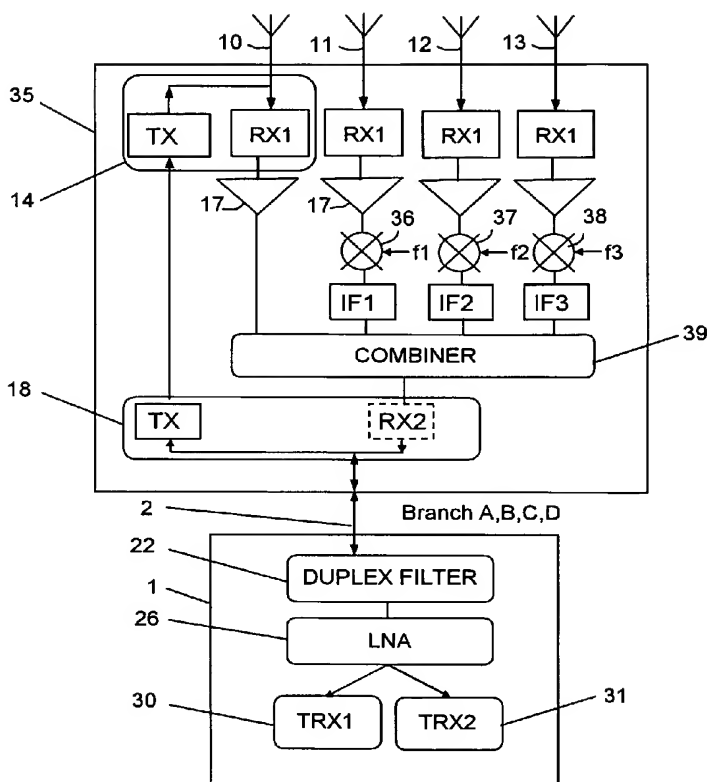
PCT

(10) International Publication Number
WO 2005/088764 A1

- | | | |
|---|-------------------|--|
| (51) International Patent Classification ⁷ :
21/30, H04B 7/08 | H01Q 1/00, | (74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB ; Box
171 92, S-104 62 Stockholm (SE). |
| (21) International Application Number:
PCT/SE2004/000359 | | (81) Designated States (<i>unless otherwise indicated, for every
kind of national protection available</i>): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW. |
| (22) International Filing Date: 11 March 2004 (11.03.2004) | | |
| (25) Filing Language: English | | |
| (26) Publication Language: English | | |
| (71) Applicant (<i>for all designated States except US</i>): TELE-
FONAKTIEBOLAGET LM ERICSSON (publ)
[SE/SE]; S-126 25 Stockholm (SE). | | (84) Designated States (<i>unless otherwise indicated, for every
kind of regional protection available</i>): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, |
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[Continued on next page]

- (54) Title:** METHOD, DEVICE, BASE STATION AND SITE FOR REDUCING THE NUMBER OF FEEDERS IN AN ANTENNA DIVERSITY DIVERSITY SYSTEM.



(57) Abstract: A method, device and system for reducing the number of feeders (2, 3) between a radio base station (1) and an antenna diversity arrangement (10, 11, 12, 13) at which RF signals of the same frequency are received. In a tower mounted amplifier (45) individual RF signals from some or all of the antennas are frequency converted into intermediate frequency (IF) signals on mutually different intermediate frequencies which are combined and forwarded to the radio base station on a reduced number of feeders. In the radio base station the combined signal is split into individual signals amongst which the IF signals are frequency transformed to a signal suitable for diversity processing.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*